

"No it's not merely a tool, it's much more than a tool. It's a medium of thinking like writing isn't just a tool. Writing is a way of thinking and if you say that somebody is a literate person it's not that that person has mastered a tool.

-- Seymour Papert

the XO



Child Ownership

I wear my XO like my pair of shoes.

Low Ages

I have good XO shoes for a long walk.

Saturaiton

A healthy education is a vaccination, it reaches everybody and protects from ignorance and intolerance.

Connection

When we walk together we stay together.

Free and Open Source

Give me a free and open environment and I will learn and teach with joy

Physical dimensions

- * Approximate dimensions: 242mm × 228mm × 32mm
- * Approximate weight: 1.45KG (~3.20lbs);
- * Configuration: Convertible laptop with pivoting, reversible display; dirt- and moisture-resistant system enclosure; no fan.

Core electronics

- * CPU: AMD Geode LX-700@0.8W;
- * CPU clock speed: 433 Mhz;
- * Graphics controller: Integrated with CPU; unified memory architecture;
- * DRAM memory: 256 MiB dynamic RAM; data rate: dual-DDR333-166Mhz;
- * Mass storage: 1024 MiB SLC NAND flash, high-speed flash controller;
- * Drives: No rotating media.

Display

- * Liquid-crystal display: 7.5" dual-mode TFT display;
- * Viewing area: 152.4 mm × 114.3 mm;
- * Reflective mode: 1200(H) × 900(V) grayscale pixels, power consumption 0.1–0.2Watts;
- * Backlight mode: 800(H) × 600(V) color pixels, power consumption 0.2–1.0Watts;

Integrated peripherals

- * Keyboard: 80+ keys, 1.0mm stroke; sealed rubber-membrane key-switch assembly;
- * Gamepad: Two sets of four-direction cursor-control keys;
- * Touchpad: Dual capacitance/resistive touchpad; supports written-input mode;
- * Audio: Internal stereo speakers and amplifier; internal monophonic microphone, jacks for external headphones or microphone;
- * Camera: Full color; 640 x 480 resolution at 30 FPS
- * Wireless Networking: Integrated 802.11b/g (2.4GHz) interface; 802.11s (Mesh) networking supported; dual adjustable, rotating antennas support diversity reception;

External connectors

- * DC power: 6mm (1.65mm center pin) connector; power draw limited to 15 W;
- * Headphone output: standard 3.5mm 3-pin switched stereo audio jack;
- * Microphone input: standard 3.5mm 2-pin switched mono microphone jack;
- * USB: Three Type-A USB 2.0 connectors; Up to 1A power supplied (total);
- * Flash Expansion: SD Card slot.

Battery

- * Pack type: 2 or 4 cells LiFePO4; 22 Watt-hours;
- * Fully-enclosed "hard" case; user removable;
- * Minimum 2,000 charge/discharge cycles (to 50% capacity of new).

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